

Patent PD-201151 Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al. :

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Serial No.: 10/068,047

Filed: February 5, 2002

Mail Stop RCE, Commissioner for

Patents, P. O. Box 1450, Alexandria, VA

22313-1450, on the date below:

For: DUAL LAYER SIGNAL

PROCESSING IN A LAYERED MODULATION DIGITAL SIGNAL

SYSTEM

Georgann S. Grunebach

Typed or printed name of person signing certificate

Group Art Unit: 2611

Examiner: TORRES, Juan A.

Date: July 26, 2006

UNDER 37 C.F.R. § 1.97 (b)(4)

Mail Stop RCE Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

This statement should be considered because it is submitted before the mailing of a first Office action after the filing of a request for continued examination under §1.114 and therefore it is believed that no fee is due with this submission under 37 C.F.R. §1.97(b)(4).

If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

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This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

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July 26, 2006

Other		
Substitute for form PTO/SB/08A		mplete if Known
1 Aug - œl	Application Number	10/068,047
INFORMATION DISCLOSURE 1 0 2006 1	Filing Date	02-05-2002
STATEMENT BY APPLICANT	First Named Inventor	Ernest C. Chen
PADRIARIO"	Art Unit	2611
	Examiner Name	TORRES, Juan A.
Date: July 26, 2006		
Sheet 1 of 5	Attorney Docket Number	PD-201151

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
		Number-Kind Code	MM-DD-YYYY		or Relevant Figures Appea
					1
		US-4,637,017	01-1987	Assal et al.	
		US-5,940,025	08-1999	Koehnke et al.	
		US-5,870,443	02-1999	Rahnema, Moe	
		US-2003/0138037	07-2003	Kaku et al.	
		US-2002/0158619	10-2002	Chen, Ernest C.	
	_	US-6,426,822	07-2002	Winter et al.	
		US-6,389,002	05-2002	Schilling, Donald L.	
		US-6,178,158	01-2001	Suzuki et al.	
		US-5,493,307	02-1996	Tsujimoto, Ichiro	
		US-5,956,373	09-1999	Goldston et al.	
		US-6,535,497	03-2003	Raith, Alex Krister	
		US-6,515,713	02-2003	Nam, Ho Jun	
		US-6,320,919	11-2001	Khayrallah et al.	
		US-3,974,449	08-1976	Falconer, David Duncan	
		US-3,879,664	04-1975	Monsen, Peter	
		US-4,253,184	02-1981	Gitlin et al.	
		US-5,233,632	08-1993	Baum et al.	
		US-6,775,521	08-2004	Chen, Yue	
		US-3,878,468	04-1975	Falconer et al.	
	_	US-2004/0110467	06-2004	Wang, Arthur W.	
		US-6,535,801	03-2003	Geier et al.	
		US-6,325,332	12-2001	Cellier et al.	
		US-6,052,586	04-2000	Karabinis, Peter D.	
		US-5,995,832	11-1999	Mallinckrodt, Albert J.	
		US-2005/008100	01-2005	Chen, Ernest C.	
	<u> </u>	US-2002/176516	11-2002	Jeske et al.	
		US-6,304,594	10-2001	Salinger, Sheldon Norman	
		US-6,501,804	12-2002	Dietmar et al.	
		US-6,745,050	06-2004	Forsythe et al.	
		US-5,625,640	04-1997	Palmer et al.	
		US-6,597,750	07-2003	Knutson et al.	
		US-6,433,835	08-2002	Hartson et al.	
		US-4,800,573	01-1989	Cupo, Robert L.	

Examiner Signature		Date Considered	
	<u> </u>		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Co	mplete if Known
Application Number	10/068,047
Filing Date	02-05-2002
First Named Inventor	Ernest C. Chen
Art Unit	2611
Examiner Name	TORRES, Juan A.
4.	
Attorney Docket Number	PD-201151
	Application Number Filing Date First Named Inventor Art Unit Examiner Name

Examiner	Cite	Document Number	U.S. PATENT DO	Name of Patentee or	Pages, Columns, Lines,
nitials*	No.	Document (Authber	Date	Applicant of Cited Document	Where Relevant Passages
		Number-Kind Code	MM-DD-YYYY		or Relevant Figures Appea
			_		
		US-6,266,534	07-2001	Raith et al.	
		US-5,467,197	11-1995	Hoff, Don G.	
		US-6,741,662	05-2004	Francos et al.	
		US-2004/0146296	07-2004	Gerszberg et al.	
· · · · · · · · · · · · · · · · · · ·		US-5,648,955	07-1997	Jensen et al.	
		US-4,860,315	08-1989	Hosoda et al.	
		US-4,654,863	03-1987	Belfield et al.	
		US-5,229,765	07-1993	Gardner, Wallace R.	
		US-5,285,480	02-1994	Chennakeshu et al.	
· · · · · · · · · · · · · · · · · · ·		US-6,934,314	08-2005	Harles et al.	
		US-4,993,047	02-1991	Moffat et al.	
		US-5,111,155	05-1992	Keate et al.	
		US-6,307,435	10-2001	Nguyen et al.	
		US-5,970,098	10-1999	Herzberg, Hanan	
		US-6,125,148	09-2000	Frodigh et al.	
		US-6,008,692	12-1999	Escartin, Marko	
		US-6,249,180	06-2001	Maalej et al.	
		US-5,581,229	12-1996	Hunt, Paul C.	
		US-6,366,309	04-2002	Siegle, Gert	
		US-4,835,790	05-1989	Yoshida et al.	
		US-5,317,599	05-1994	Obata	
		US-5,557,067	11-1996	Zimmerman	
		US-6,021,159	02-2000	Nakagawa	
		US-6,061,393	05-2000	Tsui et al.	
		US-5,963,845	10-1999	Floury et al.	
		US-6,272,679	08-2001	Norin, John L.	
_		US-6,212,360	04-2001	Fleming et al.	
		US-6,188,717	02-2001	Kaiser et al.	·
		US-6,141,534	10-2000	Snell et al.	
		US-6,131,013	10-2000	Bergstrom et al.	
		US-6,084,919	07-2000	Kleider et al.	
		US-4,896,369	01-1990	Adams et al.	
		US-6,892,068	04-2002	Karabinis et al.	

Examiner Signature	Date Considered	

Substitute for form PTO/SB/08A		Cor	nplete if Known
		Application Number	10/068,047
INFORMATION DISCLOSURE	OFFE	Filing Date	02-05-2002
STATEMENT BY APPLICANT /		rst Named Inventor	Ernest C. Chen
(AUG 0 8 200	Art Unit	2611
\-		Examiner Name	TORRES, Juan A.
Date: July 26, 2006)	&	
Sheet 3 of 5	CE TRADELLE	Attorney Docket Number	PD-201151

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	<u> </u>	Number-Kind Code	MM-DD-YYYY		or Relevant Figures Appear	
		US-5,848,060	12-1998	Dent		
		US-5,555,257	09-1996	Dent		
		US-5,642,358	06-1997	Dent		
		US-5,199,047	03-1993	Koch, Wolfgang		
		US-5,088,110	02-1992	Bonnerot et al.		
		US-4,847,864	07-1989	Cupo, Robert L.		
		US-4,709,374	11-1987	Farrow, Cecil W.		
		US-4,594,725	06-1986	Desperben et al.		
		US-4,519,084	05-1985	Langseth, Rollin E.		
		US-4,416,015	11-1983	Gitlin, Richard D.		
		US-4,384,355	05-1983	Werner, Jean-Jacques		
		US-4,213,095	07-1980	Falconer, David D.		
		US-RE 31,351	08-1983	Falconer, David D.		
		US-6,429,740	08-2002	Nguyen et al.		
		US-6,166,601	12-2000	Shalom et al.		
		US-5,966,048	10-1999	Thompson		
		US-5,606,286	02-1997	Bains		
		US-5,221,908	06-1993	Katz et al.		
		US-4,918,708	04-1990	Pottinger et al.		
		US-4,878,030	10-1989	Vincze		
		US-4,670,789	06-1987	Plume		
		US-4,647,873	03-1987	Beckner et al.		
		US-4,628,507	12-1986	Otani		
		US-4,500,984	02-1985	Shimbo et al.		
		US-4,283,684	08-1981	Satoh		
		US-4,068,186	01-1978	Sato et al.		
		US-2001/0024479	09-2001	Samarasooriya		
		US-5,732,113	03-1998	Schmidl et al.		
		US-5,793,818	08-1998	Claydon et al.		
	1	US-5,828,710	10-1998	Beale		
		US-6,018,556	01-2000	Janesch et al.		
		US-6,128,357	10-2000	Lu et al.		
		US-6,411,659	06-2002	Liu et al.		

Examiner Signature	Date Considered	3000

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STATEMENT BY APPLICANT	First Named Inventor	Ernest C. Chen	
(AUG 0 8 200	դ ՝ Art Unit	2611	
3	Examiner Name	TORRES, Juan A.	
Date: July 26, 200	<u>.E</u>		
Sheet 4 of 5	Attorney Docket Number	PD-201151	

U.S. PATENT DOCUMENTS					
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	-	FORE	IGN PATENT I	DOCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		FR 2696295	04-1994	Jaspal, Singh Bharj		
		EP 0222076	08-1986	Ketterling et al.		
		JP 07-038615	02-1995	Yasushi, Sogabe		
		DE 3642213	12-1986	Lopau et al.		
		JP 5-252084	09-1993	Takenaka et al.		
		JP 5-114878	05-1993	Kazama et al.		
		JP 5-41683	02-1993	Matsudo et al.		
		JP 2-95033	04-1990	Yamamoto, Yoshihiko		
		JP 2-5631	01-1990	Oda, Hirobumi		
		EP 0929164	07-1999	Societe Europeene des Satellites		
		WO 02/073817	09-2002	Nokia Corporation		
		WO 99/20001	04-1999	Silberger et al.		
		JP Publication 03139027	06-1991	Nippon Telegraph and Telephone Corporation		

Examiner	Date	
Signature	Considered	
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Sheet 5 of 5	Attorney Docket Number	PD-201151	

U.S. PATENT DOCUMENTS					
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		Number-Kind Code	MM-DD-YYYY	<u></u>	or Relevant Figures Appear

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volumne-issue number(s), publisher, city and/or country where published.	Т	
		WOLCOTT, TED J. ET AL.; "Uplink-Noise Limited Satellite Channels"; IEEE 1995; pages 717-721; XP-00580915		
		SESKAR, IVAN ET AL.; "Implementation Aspects for Successive Interface Cancellation in DS/CDMA Systems"; Wireless Networks; 1998; pages 447-452		
**	<u> </u>	Earth Station Technology; 1986; pages 404-412; XP-002248387		
		FANG, T. et al.; "Fourth-Power Law Clock Recovery with Prefiltering", Proceedings of the International Conference on Communications (ICC), Geneva, May 23-26, 1993, New York, IEEE, US, Vol. 3, May 23, 1993, pages 811-815, XP010137089, ISBN:0-7803-0950-2, Section I, Introduction		

Examiner	Date	
Signature	Considered	•
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